

Observations of Comets—Brooks, Fabry, and Barnard—made at Dun Echt Observatory with the Filar Micrometer of the 15-inch Refractor.

(Communicated by the Earl of Crawford and Balcarres.)

Object.	Date. 1885	Dun Echt Mean Time.			Comet—Star.			$\alpha$ Comet.			$\delta$ Comet.	Observer.	Remarks.
		h	m	s	$\Delta\alpha$	$\Delta\delta$	'	h	m	s			
Brooks ...	Oct. 5	9	3	41	+0	14.98	-0	41	17	29	38.11	L. B.	Very faint, 3' diam.
Fabry ...	Dec. 7	8	20	59	+2	22.57	-3	31.8	0	25	10.02	R. C.	Diam. 40'', brighter to- wards the preceding side.
Barnard ...	7	12	21	45	+3	42.26	-1	54.9	4	12	29.07	R. C.	Diam. 1', considerably brighter in the middle.

Adopted Mean Places of Comparison Stars for 1885.0.

1885	$\alpha$	h	m	s	Redn.	$\delta$	Redn.	Authorities.
Oct. 5	17 29 22.46	41	35	21.2	+0.67	+41	+24.3	Connected with B. W. <sub>2</sub> 812.
Dec. 7	17 27 38.27	41	35	23.8	+3.42	+41	+25.1	B. W. <sub>2</sub> 812.
7 (bis)	0 22 44.03	20	55	52.1	+4.11	+20	+2.0	Bonn Observations, Vol. VI. +20°, 47.
	4 8 42.70	5	5	45.8				B. W. 4 <sup>b</sup> 123.

The observers' initials are those of Ralph Copeland and L. Becker.

Observations of the Biela Comet *Meteors made at the Royal Observatory, Greenwich.*

(Communicated by the Astronomer Royal.)

Greenwich Mean Solar Time Astronomical.	Number of Meteors seen by		Number per minute seen by		State of the sky.
	F.	L.	F.	L.	
<sup>1885.</sup> Nov. 27					
<sup>h</sup> 5½	—	—	—	—	Cloudy; no meteors seen.
<sup>h</sup> 6	—	—	—	—	Sky nearly cloudless; meteors seen in considerable numbers, and continued to be seen until the commencement of counting at 6 <sup>h</sup> 18 <sup>m</sup>
<sup>h m</sup> 6 18 to 6 37	626	—	32.9	—	
<sup>h m</sup> 6 37 6 47	—	200	—	20.0	
<sup>h m</sup> 6 37 6 49	449	—	37.4	—	
<sup>h m</sup> 6 49 6 58	—	100	—	11.1	
<sup>h m</sup> 6 51 6 59	109	—	13.6	—	
<sup>h m</sup> 6 58 7 4	10	—	1.7	—	
<sup>h m</sup> 7 5 7 15	—	13	—	1.3	Clouds appeared shortly before 7 <sup>h</sup> ; sky nearly covered at 7 <sup>h</sup> . Several bright meteors seen through thin clouds.
<sup>h m</sup> 7 30	—	—	—	—	